

DATE 1621Z 18 MAR 64

SECRET

25X1A

ROUTING		
1	DTECH	1
2	/	16
3		17
4	MD	12
5	EXC	13
6	DFA	14
7	ED	15
8	RB	16

PRIORITY

IN 68623  
25X1A

TOR: 1714Z 18 MAR 64

25X1A

TO PRIORITY

INFO PRIORITY

CITE 4781

OXCART

FOUR HOUR REPORT

1. ATF 485.
2. DATE 17 MAR 64.
3. TIME - T.O. 1015 LAND 1210.
4. VEHICLE NBR 130.
5. BASE WEATHER: GROUND TEMP 60 DEG F, WIND 6 KNTS 070 DEG.
6. TEST OBJECTIVES: TEST STABILIZATION SYSTEM AND V/H  
SENSOR CONTROL. INS INPUTS TO HEADING MIRROR AND DATA CHAMBER,  
PROGRAMMER PERFORMANCE.
7. TEST CONDITIONS:
  - A. TERRAIN CLEARANCE 55,300 FT.
  - B. PRESSURE ALTITUDE 60,300 FT.
  - C. TRUE AIR SPEED 1145 KNTS.
  - D. GROUND SPEED 1145 KNTS.
  - E. MACH NBR 2.0.
  - F. TRUE HEADING 192 DEG.
  - G. WEATHER ALTITUDE 60 WIND 8 KNTS 20 DEG.

SECRET

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

25X1A

4781 IN 68625

S E C R E T

PAGE TWO

H. CLOUD OR HAZE CONDITION FEW HIGH CIRRUS.

I. V/H SETTING SENSOR; RATE 34 MR/SEC.

J. EXPOSURE PROGRAMMER ON; TIME 1/300 SEC.

K. "Q" BAY - SEALED YES, PURGED NO.

L. INS - OPERATIVE YES AUTO NAV GOOD.

M. SAS - OPERATIVE YES AUTO PILOT OK.

N. TARGET AREA CHUB AF.

8. TEST RESULTS:

A. NUMBER OF CAGES 2.

C. SYSTEM OPERATE TIME 36 MIN.

D. HELIUM TANK CONSUMPTION 1150 PSIG.

E. CAGING BOTTLE CONSUMPTION 200 PSIG.

F. FILM SPEED 11 IPS.

G. V/H NOMINAL 36 MR/SEC.

H. EXPOSURE 1/300TH.

K. STABILIZATION EXCELLENT RESULTS ON ALL CHANNELS.

N. COMMENTS: STABILIZATION SYSTEM PERFORMANCE BEST ACHIEVED TO DATE ACCORDING TO OSCILLOGRAPH RECORDS. V/H SENSOR OUTPUTS LOOK EXCELLENT. HEADING MIRROR TRACE DID NOT MOVE. PROGRAMMER OPERATED PROPERLY. BY ALL INDICATIONS FROM OSCILLOGRAPH RECORDS AND PILOT'S COMMENTS, THIS TEST WAS ONE OF THE SMOOTHEST THAT HAS BEEN FLOWN.

END OF MESSAGE

S E C R E T